

# EUROPEAN PATENT OFFICE

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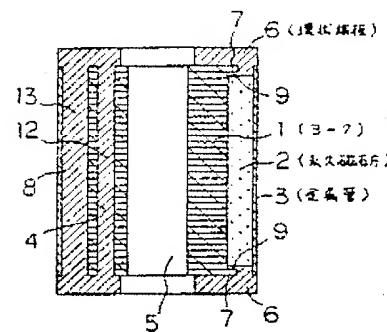
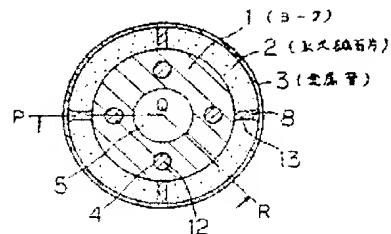
APPLICATION DATE : 20-04-88  
 APPLICATION NUMBER : 63098843

APPLICANT : AICHI EMERSON ELECTRIC CO LTD;

INVENTOR : YAMAMOTO YOSHIYUKI;

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TITLE : PERMANENT MAGNET TYPE ROTOR



**ABSTRACT :** PURPOSE: To improve efficiency by respectively filling nonconductive fillers in gaps between permanent magnet pieces, between the pieces and the outer periphery of a yoke, and between the pieces and the inner periphery of metallic tubes.

**CONSTITUTION:** In a permanent magnet rotor, a plurality of permanent magnet pieces 2 are disposed on the outer periphery of a yoke 1, and a metal tube 3 is engaged with the outer periphery. They are set in an injection mold, a filler is poured, cured by an injection molding or the like to secure the yoke 1, the pieces 2, the tube 3 thereamong, coupling parts 12-13 passing axially are simultaneously formed of the fillers filled in gaps 8 between through holes 4 formed at the yoke 1 or the pieces 2, and an annular end plate 6 is integrally molded. As a result, the fillers are filled in various gaps 9 in addition to the gap 8 between the pieces 2 to form a rotor.

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